

Application No.: 10/047731
Docket No.: AD6755USNA

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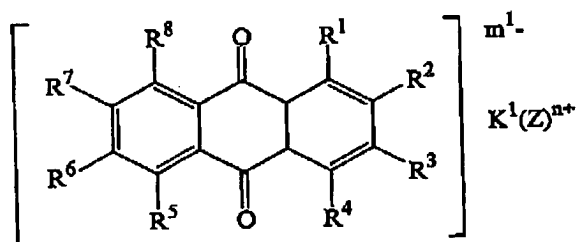
Amendments to Claims

Claims 1-13 Cancel

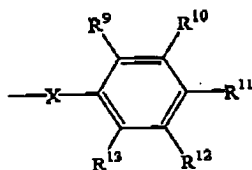
14 (New) A laser welded article, comprising:

a first molded article transparent to a laser beam, comprising a thermoplastic resin and a laser-transmitting black colorant comprising an amine salt of anthraquinone dye; and
a second molded article opaque to the laser beam laser welded to the first molded article.

15. (NEW) A laser welded article according to claim 14, wherein the amine salt of anthraquinone dye is formula [I] or formula [II],
wherein formula [I] is:



wherein R1 to R8, which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, hydroxy, halogen atom, acyl, acyloxy, acylamide, acyl-N-alkylamide, carboxyl, alkoxy carbonyl, cyclohexylamide, $-\text{SO}_3^-$, $-\text{SO}_3\text{H}$, formula [I-a], or $-\text{Y-W}$, and at least one of R1 to R8 is of formula [I-a]; wherein Y is S, O, or NH; wherein W is selected from alkyl group, alkenyl group, and aryl group; wherein $(\text{Z})^{n+}$ represents ammonium ion or a cation derived from an organic amine compounds or a basic dye; wherein n is 1 or 2, m1 is an integer from 1 to 4 and K1 is the ratio of m1 / n; and wherein formula [I-a] is:

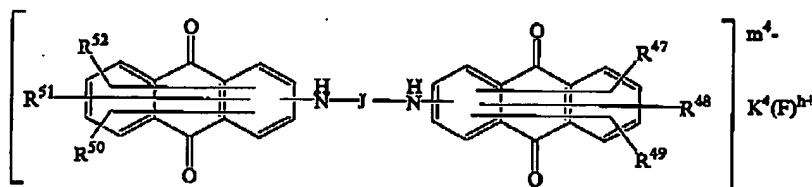


wherein X is O or NH, and R9 to R13, which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, N-alkylamide, N-aryl amide, hydroxy, halogen atom, acyl, acyloxy, acylamide, acyl-N-alkylamide, carboxyl,

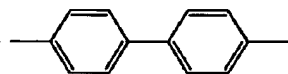
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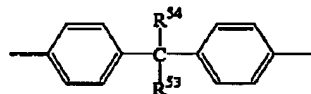
alkoxycarbonyl, $-\text{SO}_3^-$, and $-\text{SO}_3\text{H}$; wherein at least one of R1 to R8 and R9 to R13 is $-\text{SO}_3^-$ or $-\text{SO}_3\text{H}$; and wherein formula [II] is:



wherein R47 to R52, which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, N-alkylamide, N-arylamide, hydroxy, halogen atom, acyl, acyloxy, acylamide, acyl-N-alkylamide, carboxyl, alkoxycarbonyl, $-\text{SO}_3^-$, and $-\text{SO}_3\text{H}$; and at least one of R47 to R52 is $-\text{SO}_3^-$ or $-\text{SO}_3\text{H}$; and formula J in formula [II] is selected from formula [II-a] or formula [II-b] and binds two anthraquinone, wherein formula [II-a] is:



and formula [II-b] is:



wherein R53 to R54, which may be the same or different, are independently selected from the group consisting of alkyl (having 1 to 8 carbon atoms) or hydrogen; and wherein $(\text{F})h^+$ represents ammonium ion or a cation derived from an organic amino compounds or a basic dye wherein h is 1 or 2, m4 is an integer from 1 to 4 and K4 is the ratio of $m4/h$.

16. (NEW) A laser welded article according to claim 14, wherein the first molded article further comprises a second dye.
17. (NEW) A laser welded article according to claim 15, wherein the first molded article further comprises a second dye.
18. (NEW) A laser welded article according to claim 17, wherein said second dye is selected from the group consisting of perinone dyes, monoazo complex dyes, anthrapyridone dyes and anthraquinone dyes.

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19. (NEW) A laser welded article according to claim 15, wherein the first molded article further comprises (i) a red dye selected from the group consisting of perinone dyes, monoazo complex dyes, and anthrapyridone dyes; and (ii) an additional yellow dye selected from the group consisting of monoazo complex dyes and anthraquinone dyes.
20. (NEW) A laser welded article according to claim 14, wherein the first molded article comprises polyamide or polyester.
21. (NEW) A laser welded article according to claim 14, wherein the first molded article further comprises a reinforcing agent.